Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/05/2016 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124493	-1	2.97	124473	2.96
Blue	F	SSC	125000	123031	-2	5.26	124159	5.19
Blue	E	FITC	17316	16573	-5	3.78	934	9.34
Blue	D	PE	22501	21888	-3	3.50	986	8.65
Blue	B	PerCP-Cy5-5	67647	66037	-3	3.96	1740	13.38
Blue	A	PE-Cy7	80682	79458	-2	4.79	1043	24.74
Red	C	APC	64263	62818	-3	2.70	3537	8.17
Red	A	APC-Cy7	96129	93394	-3	2.72	1851	8.08
Violet	B	V450	11714	11255	-4	3.61	700	8.18
Violet	A	V500	48394	47173	-3	3.16	2671	5.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19462	4.35	592	3	N/A	N/A	Pass
Blue	F	SSC	61186	4.13	513	-1	N/A	N/A	Pass
Blue	E	FITC	100	36.58	517	-3	0.0257	177	Pass
Blue	D	PE	202	24.87	513	-1	0.1696	133	Pass
Blue	B	PerCP-Cy5-5	212	40.27	607	0	0.0114	35	Pass
Blue	A	PE-Cy7	78	98.84	664	1	0.0153	14	Pass
Red	C	APC	333	26.22	583	-2	0.0212	10	Pass
Red	A	APC-Cy7	116	38.86	563	-2	0.0047	822	Pass
Violet	B	V450	74	39.85	457	1	0.0429	1415	Pass
Violet	A	V500	173	22.65	489	2	0.0133	222	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.07	-30.68	0.81
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	16.34	13.28 - 19.92	N/A	N/A	31.21	31.56	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10146

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments